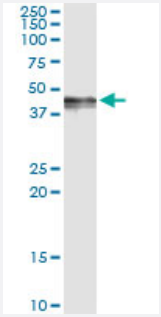
# PDGFD monoclonal antibody (M09), clone 4H2

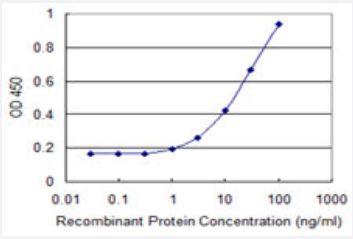
Catalog # H00080310-M09 Size 100 ug

## Applications




### Immunoprecipitation

Immunoprecipitation of PDGFD transfected lysate using anti-PDGFD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDGFD MaxPab rabbit polyclonal antibody.




### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDGFD is 0.3 ng/ml as a capture antibody.

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against a partial recombinant PDGFD. |
| **Immunogen** | PDGFD (NP_149126, 24 a.a. ~ 123 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence** | TPQSASIKALRNANLRRDDLYRRDETIQVKGNGYVQSPRFPNSYPRNLLLTWRLHSQENTRIQLVF DNQFGLEEAENDICRYDFVEVEDISETSTIIRGR |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Isotype** | IgG2b Kappa |

| | |
|---|---|
| **Quality Control Testing** | Antibody Reactive Against Recombinant Protein. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunoprecipitation

  Immunoprecipitation of PDGFD transfected lysate using anti-PDGFD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDGFD MaxPab rabbit polyclonal antibody.

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged PDGFD is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

## Gene Info — PDGFD

| | |
|---|---|
| **Entrez GeneID** | 80310 |
| **GeneBank Accession#** | NM_033135 |
| **Protein Accession#** | NP_149126 |
| **Gene Name** | PDGFD |
| **Gene Alias** | IEGF, MGC26867, MSTP036, SCDGF-B, SCDGFB |
| **Gene Description** | platelet derived growth factor D |
| **Omim ID** | 609673 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene. [provided by RefSeq |

| | |
|---|---|
| **Other Designations** | iris-expressed growth factor\|spinal cord derived growth factor B\|spinal cord-derived growth factor-B |

## Pathway

- Cytokine-cytokine receptor interaction
- Focal adhesion
- Gap junction
- Melanoma
- Prostate cancer
- Regulation of actin cytoskeleton

## Disease

- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Diseases
- Hypertension
- Stroke
- Tobacco Use Disorder